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(12) PATENT ABRIDGMENT (11) Document No. AU-B-45843/85  
(19) AUSTRALIAN PATENT OFFICE (10) Acceptance No. 580795

(54) Title  
CONTINUOUS MINING MACHINE

Ceased

(51) International Patent Classification(s)  
E21C 027/24 E21C 035/20

(21) Application No. : 45843/85

(22) Application Date : 06.08.85

(43) Publication Date : 12.02.87

(44) Publication Date of Accepted Application : 02.02.89

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(56) Prior Art Documents  
80134/82 537608 E21C 27/24: 35/16  
70150/81 520955 E21C 27/24: 27/20  
41583/78 521684 E21C 27/24: 35/16

(57) Claim

1. A continuous mining machine comprising an elongated conveyor assembly for continuously conveying coal cut from a coal seam rearwardly away from the face of the coal seam being cut,

said conveyor assembly having a frame structure associated therewith,

power driven cutting and conveying means disposed forwardly with respect to said frame structure for cutting coal from the coal seam for conveyance rearwardly by said conveyor assembly,

power driven endless track means,

means mounting said cutting and conveying means and said conveyor assembly including said frame structure on said power driven endless track means for movement between a tramming position wherein said cutting and conveying means

and said conveyor assembly including said frame structure are supported on said power driven endless track means in a generally balanced condition for transport within the mine and an operative cutting position wherein said cutting and conveying means and said conveyor assembly including said frame structure are moved forwardly with respect to said power driven endless track means.

vertically extensible and retractable means carried by said power driven endless track means for extension into mine roof engagement so as to stabilize said power driven endless track means when said cutting and conveying means and said conveyor assembly including said frame structure are moved from said tramming position into said operative cutting position, and

power operated means for moving said cutting and conveying means and said conveyor assembly including said frame assembly from said tramming position into said operative cutting position while said vertically extensible and retractable means is extended into mine roof engagement.

Fig. 1

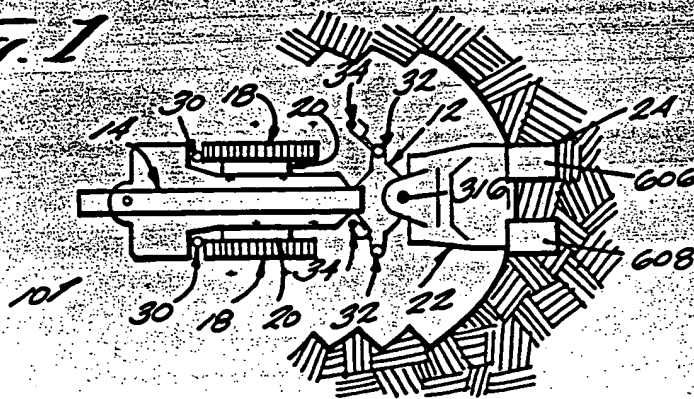


Fig. 2

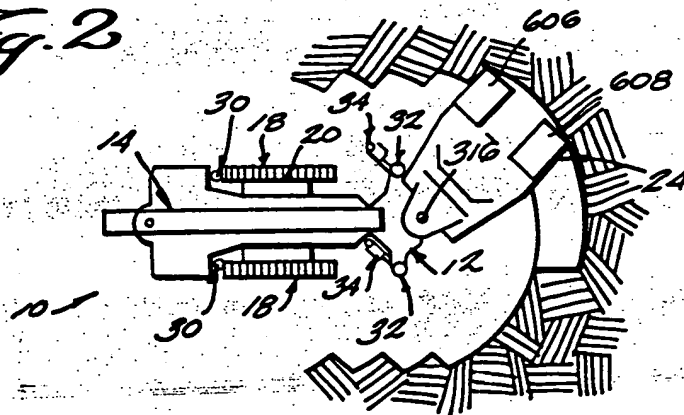
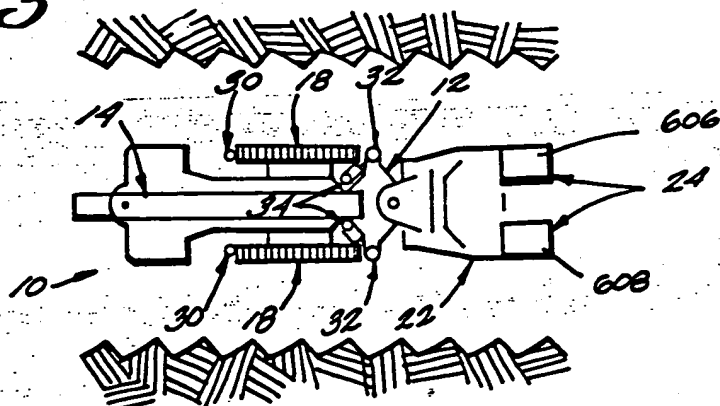
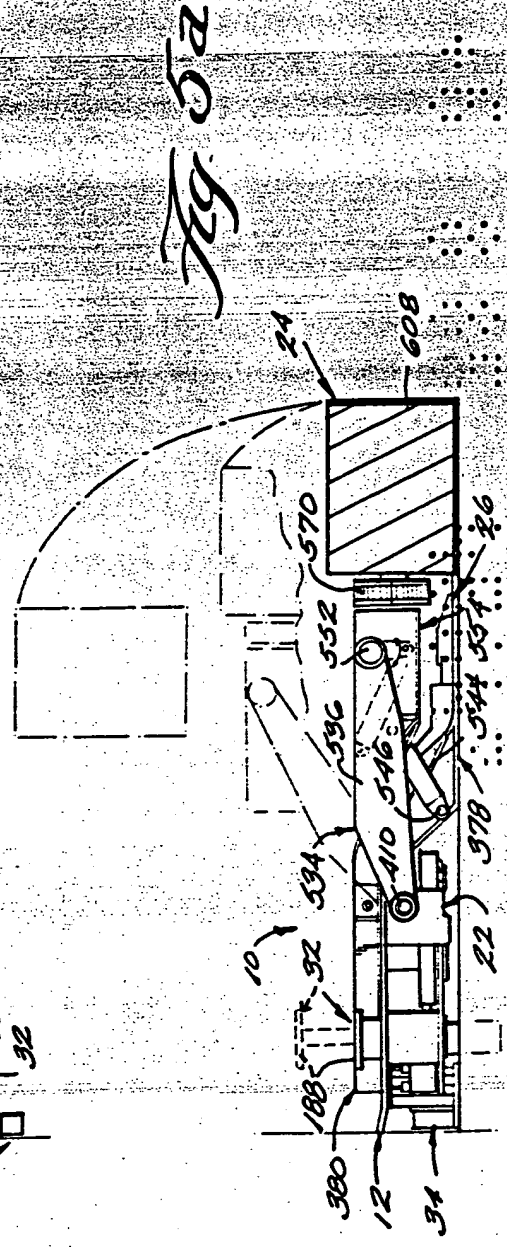
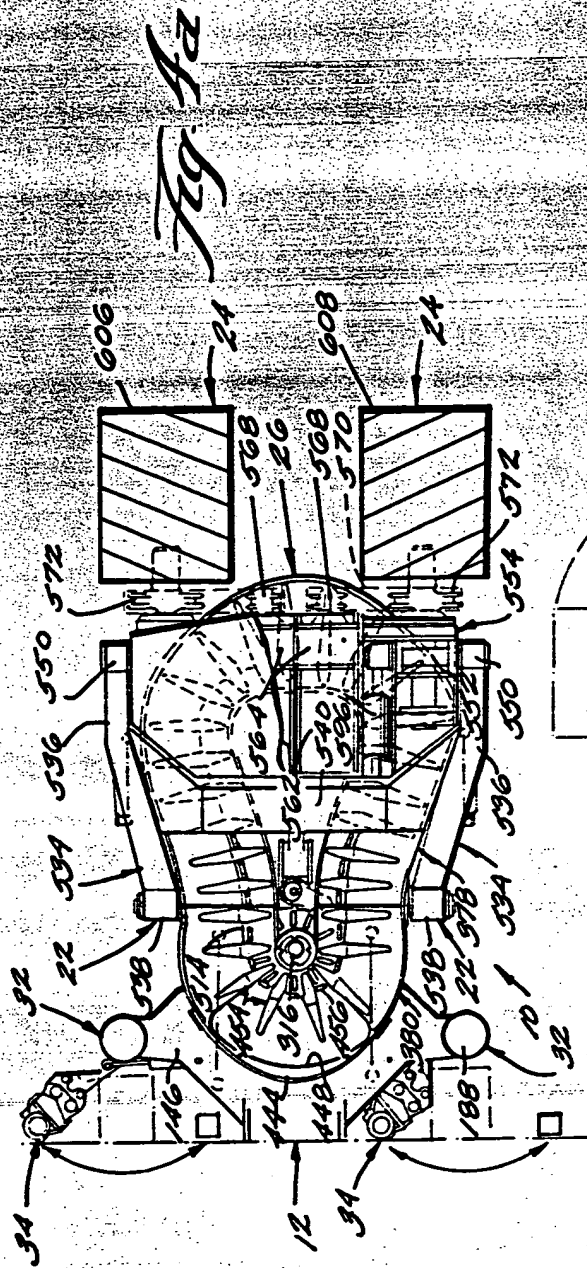


Fig. 3





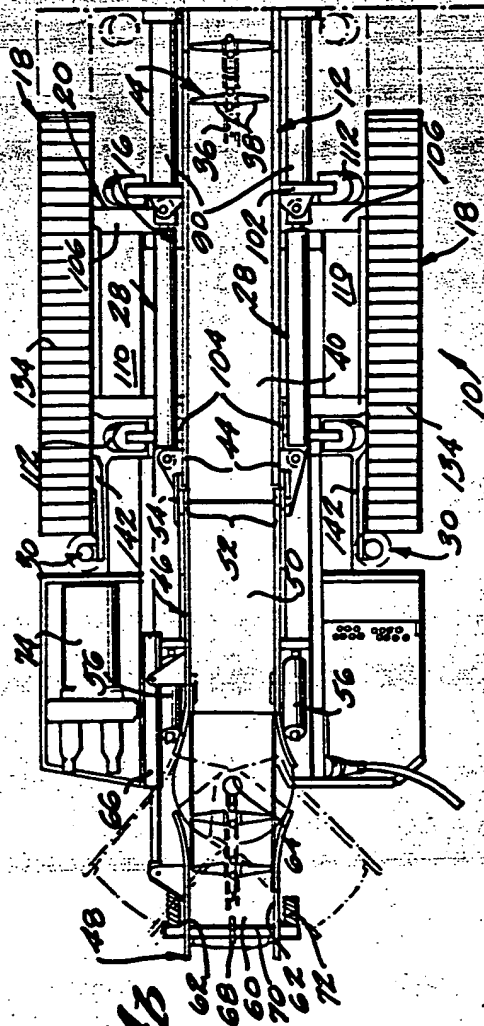


Fig. 4b

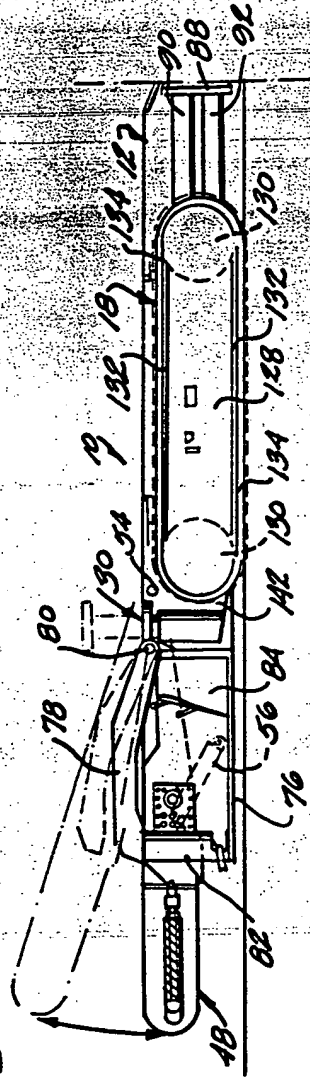
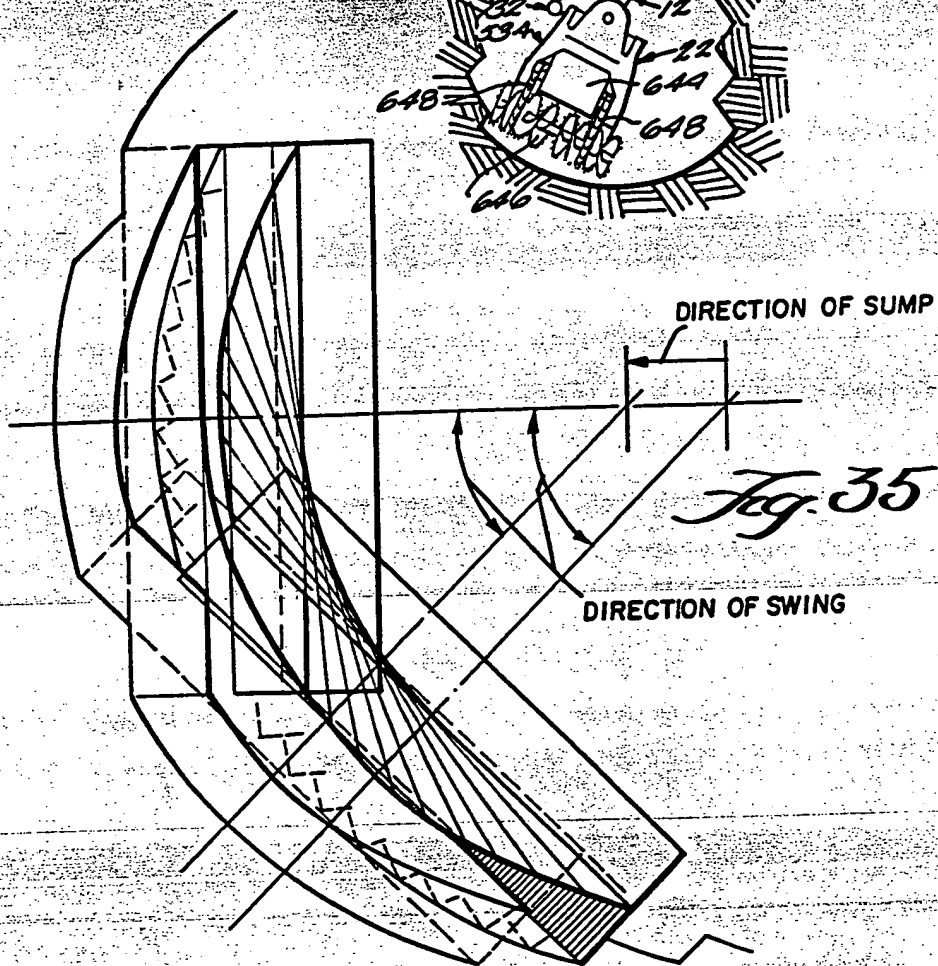
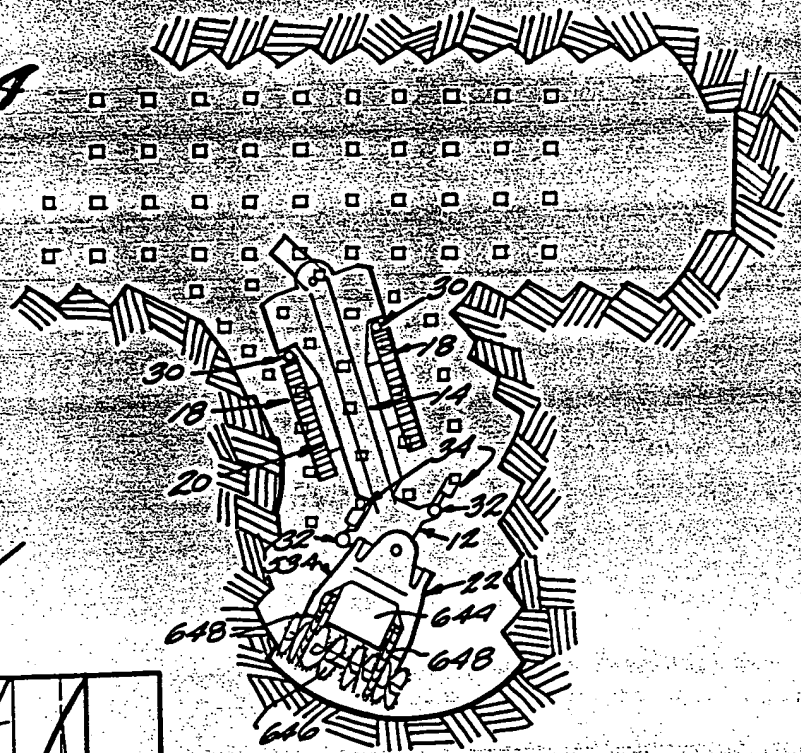


Fig. 5b



*Fig. 34*



*Fig. 35*